

**Books :**       **Literature - Beehive (NCERT)**  
                   **Supplementary Reader - Moments (NCERT)**  
                   **Assignments - Vol. 1 (Full Circle)**

S. No.	Month	Chapters	Description
1.	April	<b>Literature</b> 1. The Fun They Had 2. The Sound of Music (Project) 3. The Little Girl 1. Poem: The Road Not Taken <b>Suppl. Reader</b> 1. The Lost Child <b>Writing</b> 1. Paragraph Writing (Person/ Place/ Event) <b>Grammar</b> 1. Gap Filling	
2.	May	<b>Literature</b> 4. A Truly Beautiful Mind 2. Poem: Wind 3. Poem: Rain on the Roof <b>Suppl. Reader</b> 2. The Adventure of Toto 3. Iswaran the Storyteller 4. In the Kingdom of Fools (Project) <b>Writing</b> 2. Diary Entry <b>Grammar</b> 2. Editing (Find out Errors)	

हिन्दी विषय संख्या – 002

पुस्तकों के नाम – क्षितिज भाग – 1 (एन० सी० ई० आर० टी०)

कृतिका भाग – 1 (एन० सी० ई० आर० टी०)

व्याकरण – व्याकरण प्रवाह – फुल मार्क्स प्राइवेट लिमिटेड एजेकेशनल पब्लिशर

प्रथम सत्र

क्र. सं.	मास	अध्याय	विवरण
1.	अप्रैल	क्षितिज ● गद्य-पाठ-1, दो बैलों की कथा	

क्र. सं.	मास	अध्याय	विवरण
		<ul style="list-style-type: none"> <li>● गद्य-पाठ-2, उपभोक्तावाद की संस्कृति</li> <li>● पद्य-पाठ-1, साखियाँ एवं सबद कृतिका</li> <li>● पाठ-1, इस जल प्रलय में व्याकरण-</li> <li>● शब्द-निर्माण-उपसर्ग, प्रत्यय पत्र व निबंध लेखन समास</li> </ul>	
2.	मई	क्षितिज <ul style="list-style-type: none"> <li>● गद्य- पाठ-3, ल्हासा की ओर</li> <li>● पद्य-पाठ-2, वाख</li> </ul> व्याकरण- <ul style="list-style-type: none"> <li>● आपठित गद्यांश, पद्यांश, संवाद लेखन, अर्थ के आधार पर वाक्य भेद</li> </ul>	

**Books : Mathematics Textbook for Class-IX (NCERT)**

S. No.	Month	Chapters	Description
1.	April	Chapter-1 Number System Chapter-2 Polynomials	
2.	May	Chapter-6 Lines and Angles Chapter-5 Introduction of Euclid's Geometry	

S. No.	Month	Chapters	Activity
1.	April	<b>Chapter: Real Numbers</b> <ul style="list-style-type: none"> <li>● Review of representation of natural numbers, integers, rational numbers on the number line. Representation of terminating / non-terminating recurring decimals on the number line through successive magnification. Rational numbers as</li> </ul>	

S. No.	Month	Chapters	Activity
		<p>recurring/ terminating decimals. Operations on real numbers.</p> <ul style="list-style-type: none"> <li>• Examples of non-recurring/non-terminating decimals. Existence of non-rational numbers (irrational numbers) such as <math>\sqrt{2}</math>, <math>\sqrt{3}</math> and their representation on the number line. Explaining that every real number is represented by a unique point on the number line and conversely, viz. every point on the number line represents a unique real number.</li> <li>• Definition of nth root of a real number.</li> <li>• Existence of <math>\sqrt{x}</math> for a given positive real number <math>x</math> and its representation on the number line with geometric proof.</li> <li>• Rationalization (with precise meaning) of real numbers of the type <math>\frac{1}{a+b\sqrt{x}}</math> and <math>\frac{1}{\sqrt{x}+\sqrt{y}}</math> (and their combinations) where <math>x</math> and <math>y</math> are natural number and <math>a</math> and <math>b</math> are integers.</li> <li>• Recall of laws of exponents with integral powers. Rational exponents with positive real bases (to be done by particular cases, allowing learner to arrive at the general laws.)</li> </ul> <p><b>Chapter: Polynomials</b></p> <ul style="list-style-type: none"> <li>• Definition of a polynomial in one variable, with examples and counter examples. Coefficients of a polynomial, terms of a polynomial and zero polynomial. Degree of a polynomial. Constant, linear, quadratic and cubic polynomials. Monomials, binomials, trinomials. Factors and multiples. Zeros of a polynomial. Motivate and State the Remainder Theorem with examples. Statement and proof of the Factor Theorem. Factorization of <math>ax^2 + bx + c, a \neq 0</math> where <math>a, b</math> and <math>c</math> are real numbers, and of cubic polynomials using the Factor Theorem. Recall of algebraic expressions and identities. Verification of identities:  <math>(x + y + z)^2 = x^2 + y^2 + z^2 + 2xy + 2yz + 2zx</math>  <math>(x \pm y)^3 = x^3 \pm y^3 \pm 3xy(x \pm y)</math>  <math>x^3 \pm y^3 = (x \pm y)(x^2 \mp xy + y^2)</math>  <math>x^3 + y^3 + z^3 - 3xyz = (x + y + z)(x^2 + y^2 + z^2 - xy - yz - zx)</math>                      and their use in factorization of polynomials.</li> </ul>	
2.	May	<p><b>Chapter: Lines and Angles</b></p> <ul style="list-style-type: none"> <li>• (Motivate) If a ray stands on a line, then the sum of</li> </ul>	

S. No.	Month	Chapters	Activity
		<p>the two adjacent angles so formed is <math>180^\circ</math> and the converse.</p> <ul style="list-style-type: none"> <li>• (Prove) If two lines intersect, vertically opposite angles are equal.</li> <li>• (Motivate) Results on corresponding angles, alternate angles, interior angles when a transversal intersects two parallel lines.</li> <li>• (Motivate) Lines which are parallel to a given line are parallel.</li> <li>• (Prove) The sum of the angles of a triangle is <math>180^\circ</math>.</li> <li>• (Motivate) If a side of a triangle is produced, the exterior angle so formed is equal to the sum of the two interior opposite angles.</li> </ul> <p><b>Chapter: Introduction to Euclid's Geometry</b></p> <ul style="list-style-type: none"> <li>• History - Geometry in India and Euclid's geometry. Euclid's method of formalizing observed phenomenon into rigorous Mathematics with definitions, common/obvious notions, axioms/ postulates and theorems. The five postulates of Euclid. Equivalent versions of the fifth postulate. Showing the relationship between axiom and theorem, for example:            (Axiom) 1. Given two distinct points, there exists one and only one line through them.            (Theorem) 2. (Prove) Two distinct lines cannot have more than one point in common.</li> </ul>	

## Science

S. No.	Month	Chapters	Activity
1.	April	<p><b>Chapter: Motion</b></p> <ul style="list-style-type: none"> <li>Distance and displacement; velocity; uniform and non-uniform motion along a straight line; acceleration; distance-time and velocity-time graphs for uniformly and non-uniformly accelerated motion; equations of motion by graphical method; elementary idea of uniform circular motion.</li> </ul> <p><b>Chapter: The Matter in Our Surroundings</b></p> <ul style="list-style-type: none"> <li>Definition of matter; solid, liquid &amp; gas; characteristics-shape, volume, density; change of state-melting, freezing, evaporation, condensation, sublimation.</li> </ul> <p><b>Chapter: Fundamental Unit of Life</b></p> <ul style="list-style-type: none"> <li>Cell as basic unit of life; prokaryotic &amp; eukaryotic cells; multicellular organisms; cell membrane &amp; cell wall; cell organelles &amp; cell inclusions;</li> </ul>	
2.	May	<p>Chapter: Force and Newton's Law of Motion</p> <ul style="list-style-type: none"> <li>Force &amp; motion; Newton's law of motion; inertia of a body; inertia and mass; momentum; force and acceleration; elementary idea of conservation of momentum; action and reaction forces.</li> </ul> <p>Chapter: Is Matter Around Us Pure</p> <ul style="list-style-type: none"> <li>Elements; compounds &amp; mixtures; heterogenous and homogenous mixtures; colloids and suspensions.</li> </ul> <p>Chapter: Fundamental Unit of Life</p> <ul style="list-style-type: none"> <li>Chloroplast, mitochondria, vacuoles, endoplasmic reticulum, Golgi apparatus, nucleus; chromosomes-basic structure, number.</li> </ul>	

## Social Science

S. No.	Month	Chapters	Activity
1.	April	History: Chapter-1 (The French Revolution)	Collect information and

		<ul style="list-style-type: none"> <li>• The Ancient Regime and its crises</li> <li>• The Social Forces that led to the revolution.</li> <li>• The different revolutionary groups and ideas of the time.</li> <li>• The legacy.</li> </ul> <p>Geography: Chapter-1 (India size and Location)</p> <ul style="list-style-type: none"> <li>• Location.</li> <li>• Size</li> <li>• India's neighbour.</li> </ul> <p>Geography: Chapter-2 (Physical Features of India)</p> <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Gondwana land</li> <li>• Major physiographic</li> </ul>	<p>pictures of any one event of the French Revolution and write a newspaper article. Work in groups of two or three.</p> <p>On an outline map of India mark extent and standard meridian.</p> <p>Locate the Peaks, Passes, Ranges, Plateaus, Hills and Dunes in the puzzle. Try to find where these features and located.</p>
2.	May	<p>DP- Chapter-1 (What is Democracy? Why is Democracy)</p> <ul style="list-style-type: none"> <li>• Why has democracy become popular today?</li> <li>• Features of Democracy.</li> <li>• Arguments for and against democracy.</li> </ul>	<p>Make a list of countries that are not democratic and find what kind of difficulties the citizens face there.</p>

**Subject: INFORMATION TECHNOLOGY (402)**

**PREFERRED BOOK- NCERT**

**Reference Book Name: - Information Technology**

**Publication- Kips Learning Solution**

S. No.	Month	Chapters	Activity
1.	April	<p><b>Unit 2: FUNDAMENTALS OF COMPUTERS</b></p> <p>Session 1: Introduction to Computers</p> <p>Session 2: Parts of a Computer System</p> <p>Session 3: Computer Fundamentals</p> <p>Session 4: Types of Computers</p> <p>Session 5: Using a Computer</p> <p>Session 6: Computer Operating System</p>	

S. No.	Month	Chapters	Activity
		Session 7: Performing Basic File Operations Session 8: Internet Session 9: The World Wide Web Session 10: Digital Technology and Media Devices Session 11: Computer Security and Privacy	
2.	May	<b>Unit 1: Functional English (Basic)</b> Session 1: Introducing Oneself Session 2: Greeting Others Session 3: Talking About One's Family Session 4: Telling the Time Session 5: Framing Questions Session 6: Describing Someone Session 7: Describing the Weather Session 8: Framing Complete Sentences Session 9: Expressing Likes and Dislikes Session 10: Expressing Strengths and Weaknesses Session 11: Talking about Aspirations Session 12: Talking about Values Session 13: Quantifiers Session 14: Inviting Someone Session 15: Shopping for Necessities Session 16: Asking the Price Session 17: Negotiation Session 18: Confusing Words	